

LP-OC05XX All dielectric self supporting Fiber Optical Cable for up to 75m span with Loose Tubes and single PE jacket, central strength member FRP, Peripheral Aramid® yarns, Dry Water Blocking Cable core and Ripcord.

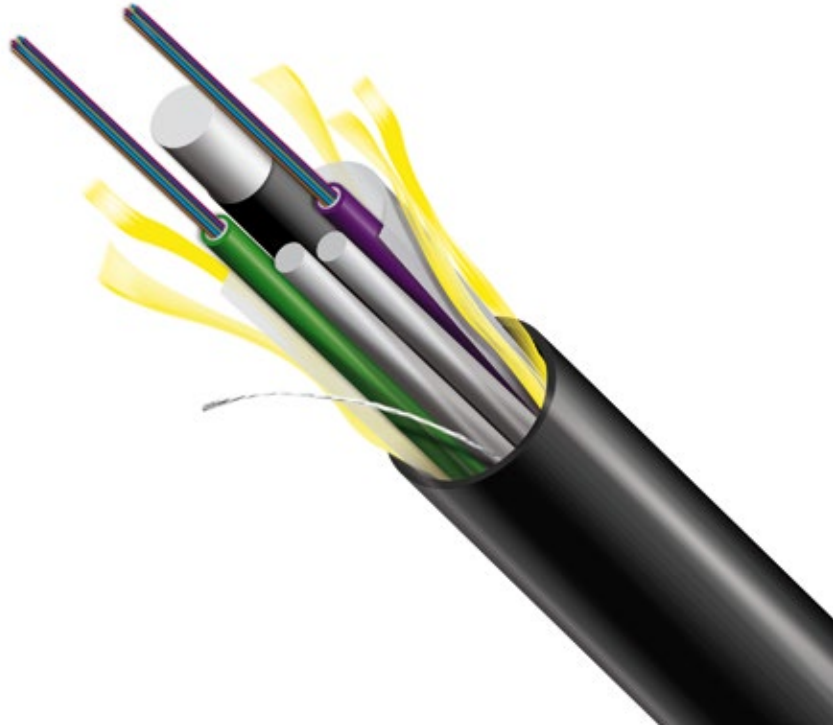
LPOC05XX_PFD_ENB01W

Features

- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Gel Water Block cable core for better water blocking. (Optional).
- Central strength member made of fiber reinforced plastic (FRP).
- Fully dielectric construction for use in high - voltage installations.
- With Aramid® fiber peripheral reinforcement.
- All dielectric self supporting optical cable for up to 75m span.

Applications

- Interbuilding voice, data or video communication backbones.
- Installed in ducts, underground conduit or aerial/lashed.
- Outdoor applications.
- Local Area Network Systems.
- Fully dielectric construction for use in high - voltage installations.

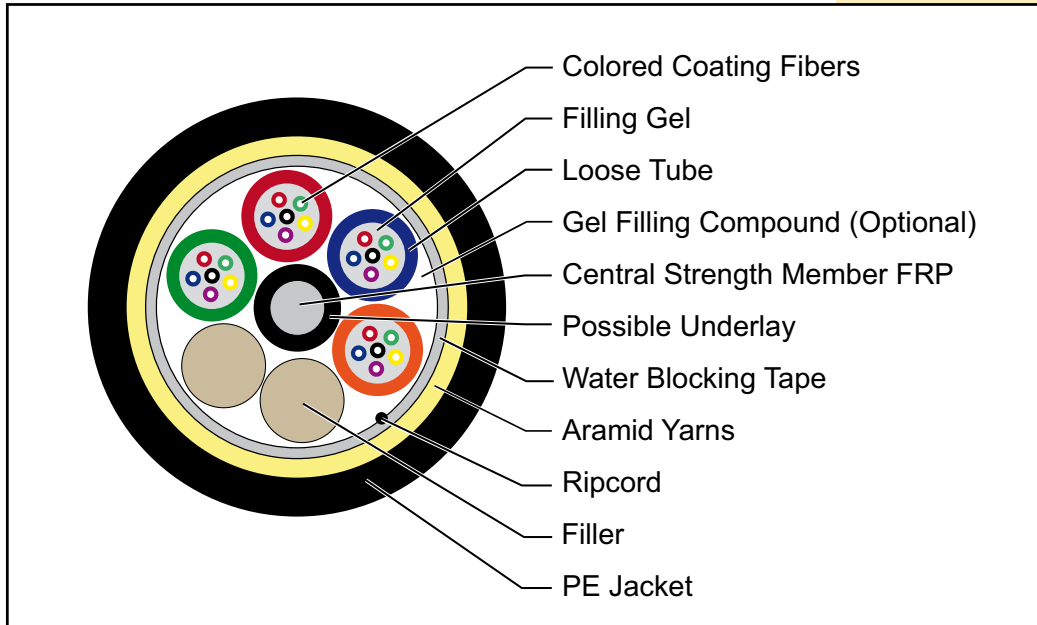


**LP-OC05XX
All dielectric self supporting Fiber Optical Cable
for up to 75m span with Loose Tubes and single PE jacket,
central strength member FRP, Peripheral Aramid® yarns,
Dry Water Blocking Cable core and Ripcord.**

The **LP-OC05XX** is a family of fiber optic cables that the industry calls an Outside Plant Cable for underground conduits or ducts or in aerial/lashed deployment for Outdoor applications.

Loose tube style, optical fiber cable with non-metallic central strength member of FRP and peripheral strength members and polyethylene sheath suitable for duct or aerial installation in area with high incidence of lightning or exposure to high voltage. Tubes contain optical singlemode or multimode fibers color coded as per color coding scheme.

A Cable Section



B Characteristics:

Fibers:

- 2-144 Fibers.
- Loose tube gel-filled.
- Color-coding per TIA/EIA 598 B.

Central Strength Member

- FRP (Fibre Reinforced Plastic) a rod made of Epoxy/glass.

Jacket

- Black UV- and moisture-resistant polyethylene (PE).
- Sequential meter markings standard/ Footage optional

C Compliances:

- ANSI/TIA/EIA 568 B.3.
- ICEA S-87-640.
- Rural Utilities Service (RUS) 7 CFR 1755.900 (REA PE-90).
- GR-20.
- RoHS Compliant Directive 2002/95/EC.

D Dimensional Characteristics:

Fiber Count	Max. Number of fibers per tube	FRP diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
2-24	4	2.3	6	10.6	92
26-72	12	2.8	6	12.2	121
74-96	12	2.8	8	13.9	156
98-120	12	2.8	10	15.8	197
122-144	12	2.8	12	17.8	248

E Mechanical & Environmental:

Characteristics	2-24 Fibers	26-96 Fibers	98-144 Fibers
Tensile Strength	1500 N	2000 N	3000 N
Crush Resistance	1000N/100mm.	1000N/100mm.	1000N/100mm.
Minimum Bending Radius			
During Installation	20 x Diameter		
After Installation	10 x Diameter		
Temperature range			
Storage	-50 °C to +70 °C		
Operating	-40 °C to +60 °C		

F List of fiber Cores:

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFGR
Standard Loose Tube SM	ZC	SMF-28e+™ Fiber	Full spectrum, low water peak singlemode, ITU-T G.652.D	B1.3 (G652D) P
Performance Loose Tube SM	ZB	SMF-28e+™ Fiber	Full spectrum, high performance low water peak singlemode with 0.35/0.25 attenuation, ITU-T G.652. D	
Tight Buffer SM	ZE	SMF-28e+™ Fiber	Full spectrum, low water peak singlemode with 900 µm PVC buffer, ITU-T G.652.D	
Long-Haul SM	ZG	LEAF® Fiber	Large Aeff, low water peak, NZ-DSF singlemode, ITU-T G.655	
Ultra-Bendable SM A3/B3	ZA	ClearCurve® ZBL	Full spectrum with best macrobending performance, ITU-T G.657.A3/B3	Full spectrum bend-insensitive single mode fiber with virtually zero bend loss in most indoor applications
Ultra-Bendable SM A2/B2	ZD	ClearCurve® LBL	Full spectrum with best macrobending performance, ITU-T G.657.A2/B2	Full spectrum bend-insensitive single mode fiber with low bend loss
Ultra-Bendable SM A1/B1	ZF	ClearCurve® XB	Full spectrum with best macrobending performance, ITU-T G.657.A1/B1	Full spectrum single mode fiber with enhanced bend capability
62.5 µm MM OM1	QG	InfiniCor® 300 Fiber	1 Gb/s ≤ 300 m a 850 nm, OM1* 1 Gb/s ≤ 550 m a 1300 nm	

F List of Fibers

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFRG
62.5 µm MM OM1	QL	InfiniCor® CL™ 1000 Fiber	1 Gb/s ≤ 500 m a 850 nm, OM1* 1 Gb/s ≤ 1000 m a 1300 nm	IEC 60793-2-10 Type A1b
Ultra-bendable 50 µm MM OM2	BI	ClearCurve® OM2 Fiber	10 Gb/s ≤ 150 m a 850 nm, OM2* 1 Gb/s ≤ 750 m a 850 nm	IEC 60793-2-10 Type A1a
Ultra-bendable 50 µm MM OM3	TP	ClearCurve® OM3 Fiber	10 Gb/s ≤ 300 m a 850 nm, OM3* 1 Gb/s ≤ 1000 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TG	ClearCurve® OM4 Fiber	10 Gb/s ≤ 550 m a 850 nm, OM4* 1 Gb/s ≤ 1100 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TI	ClearCurve® OM4+ Fiber	10 Gb/s ≤ 600 m a 850 nm, OM4+* 1 Gb/s ≤ 1100 m a 850 nm	

G How to Order:

LP-OC0512CCC4FF

LP-OC05		12
All dielectric self supporting Fiber Optical Cable for up to 75m span with Loose Tubes and single PE jacket, central strength member FRP, Peripheral Aramid® yarns, Dry Water Blocking Cable core and Ripcord.		Jacket Suffix: Dry water block and Ripcord
CCC	4	FF
Fiber Count: 2-144	Buffer Construction: Multi-fiber loose Tube (Gel-Filled).	Fiber Type: Any core of the above List

Examples:

LP-OC05120044QL	All dielectric self supporting Fiber Optical Cable for up to 75m span with 4 multimode OM1 62.5/125 - IEC 60793-2-10 type A1b Loose Tubes fibers and single PE jacket, central strength member FRP, Peripheral Aramid® yarns, Dry Water Blocking Cable core and Ripcord.
LP-OC05120044ZC	All dielectric self supporting Fiber Optical Cable for up to 75m span with 4 singlemode 9/125, Full spectrum, low water peak ITU-T G.652.D/B1.3 Loose Tubes fibers and single PE jacket, central strength member FRP, Peripheral Aramid® yarns, Dry Water Blocking Cable core and Ripcord.

LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.